

To: Jeremy Fisher[jfisher@synapse-energy.com]; Nidhi R. Santen[nrsanten@synapse-energy.com]
From: DeYoung, Robyn
Sent: Fri 10/23/2015 6:24:31 PM
Subject: eGRID and AVERT for GHG Equivalency calculator

Hi Jeremy and Nidhi,

Here are my thoughts on the equivalency revisions. See questions among the bullet points below. I'd like to discuss this at our next meeting on Wednesday.

There are six CO₂ equivalences I'm reviewing to determine whether to replace an AVERT emission factor with eGRID assumption. I also would like to ask Synapse whether the generic national AVERT emission factor (that represents a portfolio of programs) is sufficient for the CFLs and Wind equivalencies or if we should create a more specific one relative to technology.

Here is a the list (and my current thinking/questions for possible AVERT replacement):

- Electricity reductions (AVERT national emission factor 1444 lbs/MWh)
- Coal-fired power plant emissions for one year (continue to use eGRID? Could AVERT provide this same information?)
- Home energy use (AVERT national emission factor 1444 lbs/MWh)
- Home electricity use (AVERT national emission factor 1444 lbs/MWh)
- Number of incandescent bulbs switched to compact fluorescent bulbs (AVERT national emission factor 1444 lbs/MWh plus T&D losses, QUESTION: Should a more technology specific emission factor be better for light bulb replacement?)
- Number of wind turbines installed (change to AVERT national emission factor but specific for WIND)

Robyn